

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 11/22/2019 10:06 AM
Cytometer Baseline: 10/08/2019 01:46 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124753	-1	2.25	124826	2.23
Blue	F	SSC	125000	124977	-1	1.54	125738	1.54
Blue	E	FITC	16433	16095	-3	2.75	351	19.73
Blue	D	PE	27595	27376	-1	1.96	599	14.53
Blue	B	PerCP-Cy5-5	43183	42473	-2	3.61	1137	20.03
Blue	A	PE-Cy7	31943	31966	0	6.11	614	40.34
Red	C	APC	42819	42061	-2	2.39	1485	12.45
Red	A	APC-Cy7	31261	30194	-4	2.33	802	11.97
Violet	B	V450	6527	6265	-5	4.51	350	13.79
Violet	A	V500	24533	23443	-5	4.24	546	10.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17943	11.13	611	11	N/A	N/A	Pass
Blue	F	SSC	56821	1.13	554	6	N/A	N/A	Pass
Blue	E	FITC	64	62.06	540	1	0.0206	111	Pass
Blue	D	PE	125	48.23	537	3	0.1604	241	Pass
Blue	B	PerCP-Cy5-5	210	49.77	646	4	0.0095	84	Pass
Blue	A	PE-Cy7	114	97.54	695	6	0.0110	8	Pass
Red	C	APC	353	25.63	581	-2	0.0226	102	Pass
Red	A	APC-Cy7	177	29.05	560	-3	0.0056	1101	Pass
Violet	B	V450	54	61.54	449	-6	0.0446	1907	Pass
Violet	A	V500	81	33.36	460	-7	0.0210	551	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.52	-31.74	1.02
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.42	13.60 - 20.40	N/A	N/A	29.07	29.86	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11040

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments